6th International Ion Mobility Spectrometry (IMS) Meeting

Duisburg-Essen, Germany
18 February 2020
Agenda (Day 1)

Event Details

Location: University Campus-Essen, Department of Applied Analytical Chemistry, Essen, Germany
Meeting room: Glaspavillion R12 S00 H12

9:15	*Registration and Coffee*
09:45-10:00	Introduction and welcome *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany and Judy McCaffrey, Agilent Technologies Ireland*
10:00-10:30	The Emerging Motifs of Ion Mobility – Mass Spectrometry *Dr. John Fjeldsted, Agilent Distinguished Scientist, Agilent Technologies USA*

Multiplexed - Transforming Ion Mobility to a new level of performance

10:30-11:00	The power of IM-MS and the benefit of multiplexing *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany*
11:00-11:30	IMS-enhanced metabolomics and its applications to industrial biotechnology using high resolution demultiplexing algorithms *Dr. Karl Burgess. Senior Lecturer in Biological Mass Spectrometry, University of Edinburgh, United Kingdom*
11:30-12:00	*Coffee Break*

Omics-Small Molecules

12-:00-12:30	Comprehensive identification of naturally occurring lipids by IM-MS *Dr. Tom Eichmann, Center for Explorative Lipidomics (CEL), Institute of Molecular Biosciences, University of Graz, Austria*
12:30-13:00	Integration of ion mobility in metabolite identification workflows *Dr. Michael Anton Witting, Helmholtz Zentrum, BGC Research Unit Analytical Bio-Geochemistry, Munich, Germany*
13:00-14:00	*Lunch*

Collision Induced Unfolding

14:00-14:30	IM-MS and MS/MS: Perfect combination to study structural chemistry of supramolecules *Elina Kalenius, Department of Chemistry University of Jyväskylä, Finland*
14:30-15:00	Collision induced unfolding: A new paradigm in rapid protein stability measurements *Prof. Brandon Ruotolo, Department of Chemistry, University of Michigan, USA*
15:00-15:30	*Coffee Break*

From Small molecules to Proteomics - Adding Ion Mobility

15:30-16:00	Discovery applications incorporating the ion mobility dimension *Dr. Tim Causon, Division of Analytical Chemistry. University of Natural Resources and Life Sciences (BOKU), Austria*
16:00-16:30	Microfluidic separation systems coupled to ion-mobility-Q-TOF for comprehensive proteomic analysis in the context of new therapeutic approaches *Prof. Marianne Fillet, Laboratory for the Analysis of Medicines, Department of Pharmacy, University of Liege*
16:30	Wrap up and end of formal meeting *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany* *Dr. John Fjeldsted, Agilent Technologies USA*

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6th International Ion Mobility Spectrometry (IMS) Meeting

Duisburg-Essen, Germany
19 February 2020
Agenda (Day 2 -User Group meeting)

Event Details

Location: University Campus-Essen, Department of Applied Analytical Chemistry, Essen, Germany
Meeting room: Glaspavillion R12 S00 H12

8:30	*Registration and Coffee*
9:00 - 9:15	Introduction and welcome *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany*
9:15 – 9:30	Latest developments in IM-MS technology and overview of workshops *Dr. John Fjeldsted, Agilent Technologies USA*
Workshop #1	
9:30 - 11:00	Lipidomics – High Performing Methodologies and Workflows – Is this the right time for some Standarisation? *Dr. Tom Eichmann, Center for Explorative Lipidomics (CEL), Institute of Molecular Biosciences, University of Graz, Austria* *Dr. Michael Anton Witting, Helmholtz Zentrum, BGC Research Unit Analytical Bio-Geochemistry, Munich, Germany* *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany* *Dr. Tim Causon, Division of Analytical Chemistry. University of Natural Resources and Life Sciences (BOKU), Austria*
11:00 - 11:30	*Coffee Break*
Workshop #2	
11:30 - 12:45	The "how to" of collision induced unfolding *Prof. Brandon Ruotolo, Department of Chemistry, University of Michigan, USA* *Dr. Ruwan Kurulugama, R&D Senior Scientist, IMS, - Agilent Technologies, CA* *Dr. Elina Kalenius, Department of Chemistry University of Jyväskylä, Finland*
12:45 - 13:45	*Lunch*
Workshop #3	
13:45 - 14:45	Putting Multiplexing and HRdm – to work in your lab *Dr. Aivett Bilboa, Staff Scientist, Pacific Northwest National Labs, USA,* *Dr. Sarah Stow, R&D Scientist, Agilent Technologies, USA* *Dr. Richard Knochenmuss, RKResearch, GmbH, Switzerland*
14:45 - 15:15	*Coffee Break*
Workshop #4	
15:15 - 16:00	CCS best practices session – how to set up the instrument *Dr. Hania Khouri, Agilent Technologies, UK*
16:00	Wrap up and end of formal meeting *Prof. Oliver Schmitz. Department of Applied Analytical Chemistry, University of Duisburg-Essen, Germany* *Dr. John Fjeldsted, Agilent Technologies USA*

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